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The
Dahlia
Blue Book
for
1940

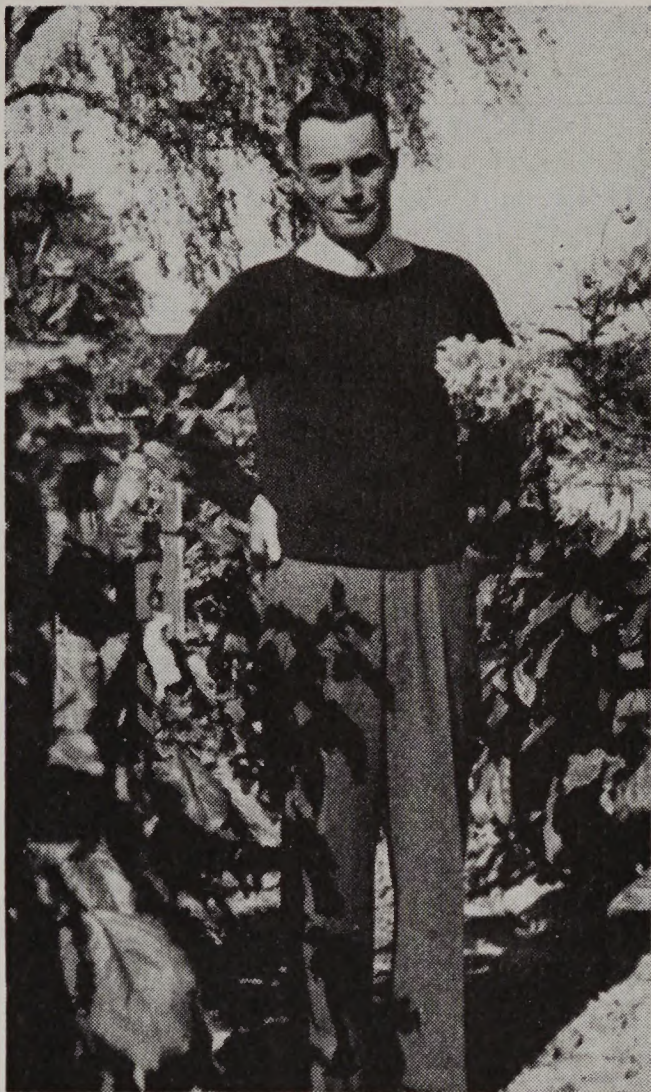


Wind, E.S.

Rocky River Dahlia Gardens
19111 STORY ROAD
ROCKY RIVER, OHIO

NEW PHONE NO. CLeArwater 7509-J

GREETINGS



WITH the start of another season, we extend our personal greetings to the many fine friends who have helped to make 1939 a pleasant and profitable year. It is our earnest hope that the future will bring a continuance of these pleasant relations.

We greet, also, the many friends of the dahlia to whom our BLUE BOOK goes for the first time. We hope they will join our friendly circle and use the personal services of the ROCKY RIVER DAHLIA GARDENS.

We wish, particularly, to thank the many customers who have recommended us to their friends. It is pleasant to reflect that such kindness has been a great factor in the steadily increasing demand for our goods, and in the ever widening of our scope.

To all, we wish the best of all things, especially that 1940 will see your dahlia garden the finest ever.

Sincerely yours,

E. J. WIND.

General Information

Please Read Carefully

ORDER EARLY

Kindly place your order as early as possible. In order to impress upon our customers the importance of our having your order at once, we have discontinued our former policy of requiring a deposit with the order. Just send in your order. Later, if you desire, we shall be glad to make any changes to meet your final needs. Early orders will be rewarded with a nice variety as an extra. Indicate on your order when you wish to be billed for the roots or plants. Roots will be sent C. O. D., if desired, but we can not send plants in that way.

POSTAGE

We pay the regular postage on all retail orders. If plants are wanted "special delivery" or "special handling," include enough with remittance to cover the additional charges.

GUARANTEE

All stock shipped by the Rocky River Dahlia Gardens is guaranteed to be true to name, free from disease, and in good growing condition, upon arrival at its destination. Please report errors as soon as apparent, for replacement.

PRICES

Our prices are for good quality stock, carefully grown and handled, and are as low as is consistent with good service, liberal replacement policies, extras that please, and the supply of the variety.

EXTRAS

We include an extra root or plant with each order of \$5.00 or more.

On orders of \$10.00 to \$ 20.00 you may select 10% additional.

On orders of \$20.00 to \$ 50.00 you may select 15% additional.

On orders of \$50.00 to \$ 75.00 you may select 20% additional.

On orders of \$75.00 to \$100.00 you may select 25% additional.

Have your friends order with you to take advantage of this generous offer.

ABBREVIATIONS

Straight cactus—St. C.; incurved cactus—In. C.; Semi cactus—S. C.; Informal decorative—I. D.; Formal decorative—F. D.

VARIETIES MARKED

Varieties marked with an asterisk (*) are of foreign origination.

HEIGHTS

Unless otherwise mentioned in the description of the variety, the plants are of medium height.

SALES TAX

Residents of Ohio must include the three percent sales tax with remittance.

TELEPHONE

ORchard 7314-W.

ROOTED CUTTINGS

Although we do not recommend the purchase of rooted cuttings by any other than experienced commercial plant growers, we will furnish high grade, well rooted cuttings of varieties which are listed in plants in this book. Prices are one-third less than the list price of plants.

CLUMPS

Entire clumps of varieties listed in this catalogue may be purchased at digging time in the fall. Write for prices, stating varieties desired.

Dahlia Green Plants

Dahlia "green plants" or simply "plants" as we refer to them in this book are little dahlia plants grown from cuttings. The cuttings are taken from selected clumps which are started into growth in the greenhouses during the late winter months. As soon as the sprouts are long enough to handle, they are taken off and placed in a special rooting medium. When the cuttings are rooted they are potted into three inch pots in a soil selected, or prepared to hold together in shipment.



DAHLIA GREEN PLANT

After potting, our plants are carefully grown and constantly watched to insure plants of highest quality. At just the right time they are moved from the greenhouses into cold frames for the extremely important and exacting "hardening" process.

Our plants are shipped to all parts of the country in paper shipping pots, carefully packed to insure safe arrival. Planting directions are sent with each shipment. (See also the paragraph on plants under "CULTURAL HINTS" in the back of this book.)

Properly grown plants produce flowers as early as flowers are produced from roots. As a rule the flowers from plants are superior. Growth, and total productivity of bloom, is equal to bushes grown from roots. Good clumps are formed for carrying the variety over winter. Plants are sold cheaper, not because of any difference in their worth, but because by use of careful propagation methods we are able to produce several plants from one root.

Our entire life to date has been spent as a grower of plants of all kinds, and this, supplemented by a technical education involving this subject, qualifies us to grow plants which are unsurpassed in the industry. The many highly appreciated letters which we receive each year bear out this contention. A rapidly expanding dahlia business has been largely founded on the superior quality of our plants. Regardless of your previous experience with plants, we strongly recommend that you give some of our plants a trial.

DAHLIA SEED

Our dahlia seed, with the exception of small types, are grown for us in California, from roots which we send for that purpose. Many more varieties will set seed in that locality than elsewhere in the country. This permits seed from a greater number of parents, with a proportionate greater chance for something out of the ordinary. We use only the varieties with the most desirable characteristics. No small type dahlias are grown by our seed growers.

100 seed of large flowered decorative varieties.....	\$4.00
100 seed of better cactus varieties.....	5.00
100 seed of small type dahlias.....	2.00

Packets of 25 or 50 seeds at the same rate.

BEST COMMERCIAL DISPLAY Toledo, 1939

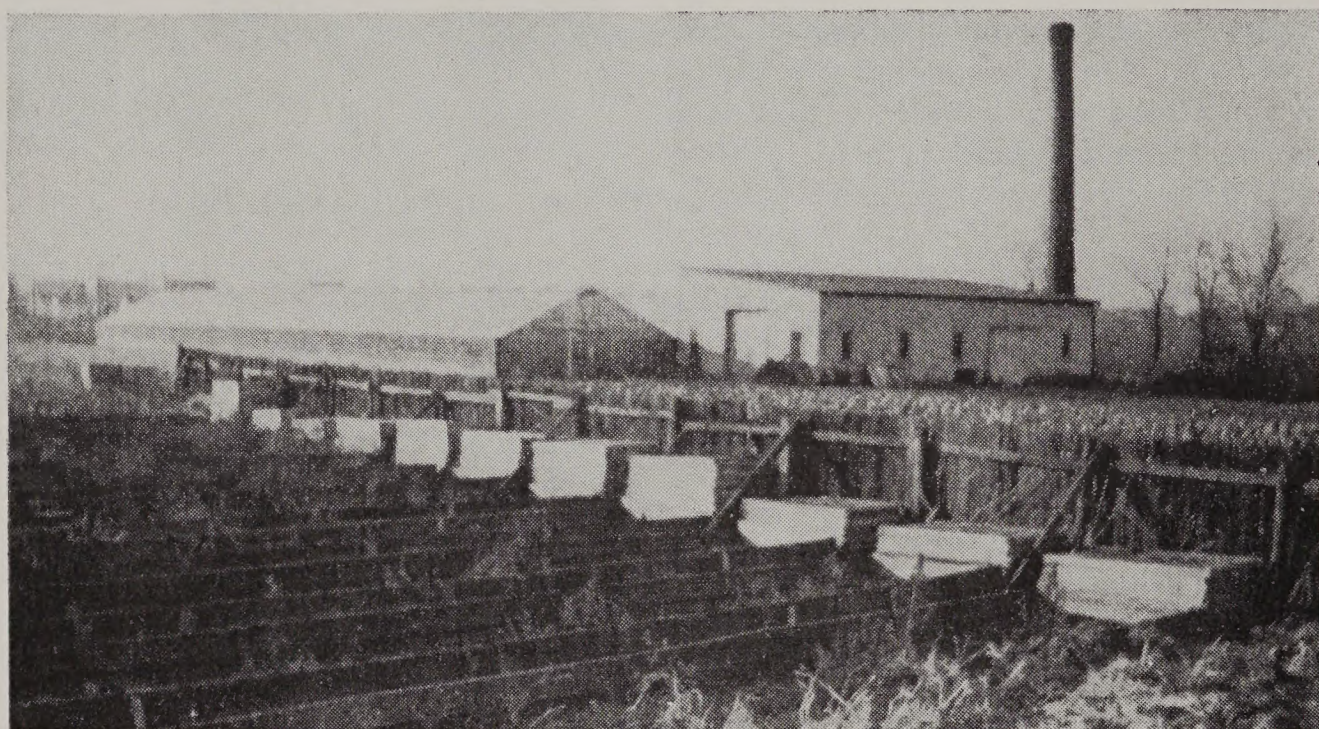
On Sept. 9th and 10th we staged the blue ribbon winning display at the show of The Toledo Dahlia Society, in Hotel Secor, Toledo. In addition to winning first place and the beautiful TOLEDO TIMES trophy, our display was also awarded a "Special" for unusual excellence.

This was the only commercial display we staged at a dahlia show during 1939.

THE HIGBEE CO. DISPLAY Cleveland, O.

For the past three years we have displayed our dahlias at the Higbee Co. department store on the Public Square in Cleveland. Last fall we staged twenty-two shows there. Late September and early October will find us there in 1940.

If you are in Cleveland during that period, visit this leading department store and become acquainted. You will find us on the main floor, center aisle.



OUR GREENHOUSES, LOCATED ON THE FARM OF ROCKY RIVER DAHLIA GARDENS, COVER 20,000 SQUARE FEET OF GROUND. IT IS HERE THAT OUR HIGH GRADE DAHLIA PLANTS ARE STARTED. IN THE FOREGROUND OF THE ABOVE PICTURE MAY BE SEEN SOME OF OUR COLD-FRAMES IN WHICH OUR DAHLIA PLANTS RECEIVE THEIR "FINISHING" PREPARATORY TO SHIPMENT. (NOTE PILES OF HOT-BED SASH ALONG THE WINDBREAK.)

VISITORS ALWAYS WELCOME

Visitors are welcome at the ROCKY RIVER DAHLIA GARDENS at all times of the year. Make this a stop when in the vicinity of Cleveland. Gardens are located about eight miles from downtown Cleveland, within two miles of all routes west. See map on page 30.

JOIN THE DAHLIA SOCIETY OF OHIO

Dues one dollar a year. As a special inducement the Rocky River Dahlia Gardens offer a fifty cent dahlia, of your selection, to anyone sending the dollar for membership through us. Acknowledgment will come from the secretary of the society.

New Novelties for 1940

Each year brings a new and bountiful crop of varieties on the market. 1940 is no exception. From the great multitude of varieties, representing the cream of the world's hybridizers, we select those which we think represent needed advancements in type, size, or color.

For 1940 we have selected a number of varieties, of which we will be able to offer a few plants at originator's prices. Our final list of new ones will be considerably longer than the one following. See them all in our gardens or at the shows.

ZEPHYR (St. C.) Certificate of Merit at East Lansing with a score of 85.8 C. The general color effect is a rich cardinal red. The nicely formed flowers average six to seven inches in diameter. Substance rated as excellent. Stems are of medium length. Very abundant flowering habits. The bushes are free branching with a height of four feet and a spread of four feet. The branches are slender to the base, but are rigid and erect, permitting cutting with long stems. The foliage is dark green. Plants do well in the open field with a minimum of care. We have found this to be the answer to a demand for a dark red cactus. It was greatly admired in a shadow box in the center of our prize winning display at Toledo, where it was shown as seedling December 15, 1938.

Root \$7.50, Plant \$2.50

OUR 1940 INTRODUCTION



ZEPHYR

ANGELUS In. C. (Parenica) A very large incurved cactus that will be a strong contender in the shows of the near future. Well-formed flowers on excellent stems. The color is deep blood red, shading to light lemon yellow at the base and at the tips. A very good grower and early bloomer. We have watched this one for three years and are confident of its ability to produce, and win. **Plant \$3.30 net**

AUTUMN BEAUTY I. D. (Wolfe) A desirable commercial flower of medium size. The general color effect is light autumn. Stems are good. Blooms keep well when cut, and they always leave an impression of neatness. A very early bloomer and one which produces many flowers throughout the season. Bushy habits of growth, and plants have good, heavy foliage. Certificate of Merit at East Lansing in 1939. We grew this one for two years with excellent results. **Plant \$1.50**

DEEP PURPLE F. D. (Stephenson-Ruschmohr) Claimed, by the introducer, to be the largest purple formal in commerce. Blooms are borne on stiff, erect stems, with flowers facing sideways. Foliage is dark, leathery, and insect resistant. This was one of the few large flowered dahlias to receive Certificates of Merit at both East Lansing and Storrs trial grounds. **Plant \$3.50**

EVENTIDE I. D. (Bissell) Deep violet purple. Fairly large flowers on good stems. Foliage is thick, leathery, and large. A seedling of Thos. A. Edison, but much earlier to bloom. This one will be popular with exhibitors, as it has quality and beauty. Certificate of Merit at East Lansing in 1938. **Plant \$3.50**

GLORIA BACKER F. D. (Tudor-Guntle) Seldom does purple predominate in any list of new dahlias but that is the case this season. Here is another of that color worthy of a place in any garden. We were greatly impressed by this one at the shows last fall. The flowers are fairly large, stems are wonderful, and it has foliage that is very dark, heavy and leathery. In appearance, it will do well, even under adverse conditions. Its record on the show tables last fall is evidence of its winning ability. The color is described as clear dahlia purple.

Plant \$3.50

MANHATTAN I. D. (Veile) A very large, orange red, which won the American Home Achievement at New York, Wilmington, Del., Peekskill, N. Y., and Englewood, N. J., in addition to the Derril W. Hart medal at New York, and other winnings at strong shows. Each petal is margined a deeper red and each has yellow at the base. The petals twist, showing a buff reverse. In all, it is a very flashy flower.

Plant \$5.00

PROGRESS I. D. (Salem) Our reports indicate this is one of the largest of the 1940 introductions. The color is a rosy mauve. Flowers have exhibition quality and are carried on very long, strong stems. The wavy petals fall well back to the stem giving the flower great depth. A good grower, with a reputation of never stunting, even in the hottest weather.

Plant \$7.50

THE GOVERNOR F. D. (Berwick-Dahliadel) A bright sulphur yellow, which is without question, a formal decorative. Beautiful form, with wide wavy petals that roll back at the tips. The blooms are large, with long erect stems. Rugged plants. Winner of fourteen blue ribbons as a seedling. Good formals are scarce and this one fills a real need.

Plant \$2.50

VICTORY F. D. (Asther-Ruschmohr) There has been little competition in the pink formal classes in recent years. Here is a large dahlia with great depth that should prove very formidable in this class. Stems and foliage are excellent, and the flower is a good keeper. A winner at Chicago, New York, Camden, and Rockville Center.

Plant \$3.50

TIP S. C. A miniature semi-cactus from Holland. Sulphur yellow, with rather blunt tips.

Plant \$1.00

LITTLE DIAMOND S. C. This beautiful pink, with yellow at the base of the petals, is one of the best we have ever seen. A true miniature from Holland.

Plant \$1.00

PICKANINNY St. (O'Neal-Guntle) A very striking, deep oxblood red, orchid flowering variety. A bit on the unusual in this type of flower. Vigorous grower and prolific bloomer.

Plant \$1.50

MOVIES FOR YOUR MEETINGS

In co-operation with Mr. J. W. Cowie, one of Ohio's leading amateur dahlia growers, we have prepared a series of dahlia movies, which are available for showing by established flower groups. The dahlia is shown from the propagating stage through the entire season, including many feet of dahlia blooms and gardens in full color. Films are 16 mm. About twelve hundred feet are now available, requiring more than an hour to show.

Societies desiring the use of these films are advised to apply as early as possible. There is no charge connected with the showing of the films. No advertising matter is incorporated in them. We offer this as another service of the Rocky River Dahlia Gardens in the interest of this superb flower.

General List of World's Best Dahlias

ADIRONDACK SUNSET I. D. (Parkway) A spectacular dahlia of good size. The color is scarlet with golden tips and bright orange at the base. Bushes are somewhat taller than average and quite vigorous.

Root .75

***ADOLPH MAYER S. C.** This Holland dahlia comes nearer to being black than any other in this list. The deep garnet red flowers are of good size, and excellent exhibition quality. A strong, freely branching plant, with dark green foliage. Abundant flowering habits. It is also a good root maker.

Root \$1.50, Plant .50

AIKO S. C. (Dahliadel) Large flowers of striking beauty. The color is a deep rich carmine, with silver tips, and a silver reverse.

Root .75

***ALICE MAY I. D.** This new one from Australia might well be described as a white Lord of Autumn. Blooms are large and of great depth. Stems, foliage, and substance are excellent. The low growing plant produces many blooms of exhibition quality. We believe it has more beauty than any of the large "whites." It is a consistent winner in its class.

Root \$7.50, Plant \$2.50

AMELIA EARHART S. C. (Cordes-Eastman)

One of the most consistent winners in the semi-cactus class and also in classes calling for the largest bloom in the show. The color is a pleasing shade of apricot buff with salmon tints, shading to soft yellow at the base. A stand-out in our plantings.

Root .75

AMERICAN LEGION I. D. (American) Well grown blooms of it can beat them all in its class, or for largest bloom in the show. For some unexplained reason, but few are able to get the maximum results with it and for that reason it should not be recommended to the casual grower. The bushes are tall and vigorous. Flowers are very deep in addition to the large diameter. The color is soft picric yellow.

Root \$1.00, Plant .50



AMELIA EARHART

AMERICAN PURITY S. C. (American) One of the largest white semi cactus varieties. Especially good later in the season although it starts blooming fairly early. It has more depth than any white in its class.

Root \$1.50, Plant .50

ANNA BENEDICT I. D. (Dahliadel) This was one of the most reliable and pleasing varieties in our gardens the past season. The tall bushes are always covered with large, rich deep garnet flowers held well above the bushes. The flowers are of unusual substance and keep well. Excellent stems.

Root .75, Plant .50

AUTUMN SUNSET I. D. (Lakeside) Lemon yellow lightly tinted spinel red. Medium sized flowers of good commercial form. Long stiff stems.

Root \$1.50, Plant .50

AZURA I. D. (Ballay) A tall growing, rugged plant with flowers very large in diameter. Late season bloomer but the fact that it can consistently produce flowers twelve inches or more in diameter makes it desirable in the garden. Color rosy lilac.

Root .75

***BALLEGO'S GLORY F. D.** A medium sized flower of mahogany, edged gold. This is one for those who want something different.

Root .50



BALLEGO'S SURPRISE

***BALLEGO'S SURPRISE S. C.** A real top-notch best described as a white Frau O. Bracht. Plants have more vigor than the latter variety. A fine dahlia in the garden as well as one of the best exhibition and commercial varieties. We recommend this one very highly.

Root \$1.00, Plant .50

***BERGER'S JEWEL In. C.** A very useful and dainty cactus, greatly admired by our visitors. Suitable for exhibition and especially fine in arrangements and baskets. The color is a soft lilac rose at the tips shading to white at the base of the petals.

Root \$1.00, Plant .50

BETTE DAVIS S. C. (Cordes) A standout in its color and class as an exhibition variety. The large, well formed flowers are rosy lavender to deep lavender. Excellent stems.

Root \$1.00, Plant .50

BLACK KNIGHT I. D. (Kemp) A very large variety of the darkest maroon, held well above the tall, sturdy bushes on strong stems. A bit late but its large size and uncommon color makes it worth waiting for.

Root .50

BLUE RIVER F. D. (Salem) The most consistent winner in the lavender formal class at all shows. Flowers are large, well formed and of a deep lavender shade.

Root .75

***BRONZE RAYONETTE In. C.** One of the better recent introductions from Holland. Well formed flowers abundantly produced on excellent stems. The color is very nearly old rose, rather than bronze, as the name would suggest.

Plants only .75

BURCH FORAKER I. D. (Slocum) Here is a dahlia that commands instant attention in the garden, because of its excellent growing habits and very large, brilliant, flame colored flowers. Stems and carriage of the flower are ideal. This variety was the highest scoring dahlia at the Midwest Trial Grounds of The American Dahlia Society, East Lansing, Mich., in 1938. It is bound to become popular.

Root \$5.00, Plant \$1.50

BURGUNDY I. D. (Redfern) Large deep flowers of a wine purple color. The plants are very strong and quite tall. Foliage is dark green and insect resistant.

Root \$2.00, Plant .75

CANADIAN CUSTOMERS

When ordering dahlias, first obtain permit to import from Department of Agriculture, Ottawa, Ontario, and send us the number of your permit with order. We must have this before shipment can be made.

CALIFORNIA IDOL I. D. (Ballay) A giant, light, clear yellow that can win in any class of competition. We consider it the easiest of the big exhibition yellows to grow. The flowers have great depth and are set facing, on exceptionally long stems.

Root \$1.00, Plant .50

CALIFORNIA ROSE I. D. (Ballay) A bright salmon rose of large size. Blooms early and profusely. Long, stiff stems. Tall bushes.

Root \$1.00, Plant .50

CARL G. DAHL I. D. (Scott) A very large well formed flower with peculiar shadings of emberglow with a golden sheen and a sweetbriar reverse. Stems are excellent, holding the flower facing up. Recommended to those who like their dahlias big.

Plant \$1.00

CAVALCADE F. D. (Groll) A medium sized flower of the commercial type. Fine stems, early and free bloomer. The color is deep rose with tones of rosy magenta.

Root .50



CALIFORNIA IDOL

CHALLENGER S. C. (Chappaqua) A lively, brilliant, cardinal red with gold at the base of the petals and some white petaloids throughout. A tall grower, recommended primarily as a garden sort.

Root .50

CHAUTAUQUA SUNSET I. D. (Wallace) One of the most attractive dahlias in our plantings. The flowers are large and of unusual beauty. The color is a combination of gold, orange and glowing old rose. Bushes are robust.

Root .75

CHEERIO S. C. (Morgan) Medium sized flowers of a lively shade of salmon-rose. Stems are long and straight. An excellent variety for cutting, because of its good substance and prolific blooming habits.

Root \$3.00, Plant \$1.00

CHEROKEE BRAVE I. D. (Ricks) We consider this to be the best of the large exhibition "reds." The large, deep flowers are an attractive shade of ox-blood red, which holds the color well in hot weather. It blooms quite early and continues throughout the entire season. Excellent stems and foliage.

Root \$3.00, Plant \$1.00

CHEROKEE ROSE I. D. (Ricks) This is one of the most consistent producers in our gardens. The flowers are medium to large in size, and of more than average depth. The color varies from lilac pink to a warm rose pink. Plants are tall and freely branching. Flowers keep well, either on the bush or after cutting.

Root \$2.00, Plant .75

CITY OF CLEVELAND I. D. (Bissell) An unusual russet-red of fair size that is highly desirable in the garden because of its free and early blooming habits.

Root .50

CLARA BARTON I. D. (Salem) The earliest and most freely flowering "lavender" in our gardens. The medium sized blooms are a silvery-orchid, with a deeper lavender on the reverse of the petals.

Root .50

CLAIRE MORTIMER I. D. (Meusdorffer) A clear, light, cyclamen pink without lavender shadings. The fair sized flowers have good depth and are carried on long stems.

Plant \$3.50



CORALLINA

***CORALLINA S. C.** An unusually striking dahlia of stone red and gold. The petals curl and twist in an attractive manner. Good stems.

Root .75

***CROIX DU SUD** (Southern Cross) A large flowered anemone, representing a break in dahlia types. Very striking. A single row of dark red petals around a center cluster of deep orange quilled petals.

Root .75

CURLEY LOCKS I. D. (Caldwell) A large flower with exceptionally long twisting petals. The color is a bright gold with apricot shadings. The bush is an open grower with dark bronze foliage. An early bloomer; we regard it as one of the most satisfactory varieties in our garden.

Plant .75

DAHLIACRAFT S. C. (Modern) A very large flower of beautiful formation. The color is a pale yellow. Bushes are tall. Stems are exceptionally long but inclined to twist although very stiff.

Root \$2.00, Plant .75

***DARCY SAINSBURY F. D.** This Australian variety has made a host of friends in the short time it has been in this country. Most growers consider it the best white formal exhibition dahlia to date. Its large size and pure white color make it a standout in the garden, too. A good grower, free bloomer and the bushes are fairly tall. Stems are ideal.

Root \$1.50, Plant .50

DAVID COPPERFIELD I. D. (Salem) A violet purple of fair size.

Root .75

***DOKOUPIL'S GIANT F. D.** A large, well formed flower of distinctive, soft lilac-rose. As an exhibition variety it fits well into a class which is not too crowded.

Root .75

***DOMINANT In. C.** A Holland origination of fine form and quality. The fairly large flowers are lilac-rose suffusing to purple, with sulphur yellow at the center. Petals are tightly rolled.

Plant \$1.00

***DR. VERHAGE S. C.** Another pleasing, and popular, European variety. Very early and free flowering. The unusual color is a bright pomegranate red, with amber-orange tints throughout.

Plant .50

OHIO DAHLIA SHOW SEPT. 14th and 15th Toledo, O.

For the first time in ten years, The Dahlia Society of Ohio show will be held outside of Cleveland. Toledo is the host city, with the Toledo Dahlia Society sponsoring the show. Michigan and Ohio growers will be there in force.

Look for our commercial display there.

***DULCINEA St. C.** A fine all-around dahlia of rare beauty of form and color. The medium sized flowers are an attractive cardinal red and carried in great profusion on the best of stems. A most consistent winner at shows, a fine garden sort and excellent for the cut-flower trade. We can recommend this highly for any garden.

Root .50

EAGLE ROCK FANTASY I. D. (Broomall)

This is about the largest of the true lavenders. A late bloomer that is at its best when earlier varieties are on the down-grade.

Root .50

***EDELSTEIN In. C.** One of the most beautiful of the recent Holland importations. Very outstanding as a cut-flower. The color is a deep rose with a silvery sheen. Stems are long and wiry.

Plant \$1.00



DULCINEA

EDITH LEHMAN I. D. (Kemp) We regard this as the most beautiful of the standard "pinks." The flowers are large and well formed. The color is a bright old rose overlaid with a silver sheen. A truly fine dahlia which has failed to become popular because of its sparse root-making.

Plant .75

ELISSA LANDI I. D. (Cordes) A very gracefully formed flower of bright, golden coral. Flowers are medium to large in size.

Root .75

EL RUBIO I. D. (Redfern) Our experience with this one was rather limited owing to late planting, but what we did see of this variety led to the belief that it may be a sensation. The blooms are very large on strong stems. The bush growth and foliage is excellent. The color is a rich velvety red, just a shade darker than the immensely popular color of Dwight W. Morrow. Petals are heavy and of unusual substance.

Plant \$5.00

EMESSEE I. D. (Roberts) A flower of good size and great depth. Plants are strong and tall, and the flowers are held well above the plant. The color is an attractive, light autumn shade. Highest scoring dahlia at East Lansing in 1937.

Root \$5.00, Plant \$1.50

***ENKART'S PRIMA S. C.** A large, beautiful semi-cactus from Belgium. We have added this to our list after seeing it at a number of shows this past fall, where it was always a center of attraction. The color is a bright salmon-pink with a golden yellow center.

Plant .75

***ERLOSUNG S. C.** From Germany, we have this pleasing, white, of unusually prolific flowering habits. The flowers are about six inches in diameter and very nearly as deep. Long, erect stems carry the multitude of flowers well above the bushes.

Root .75

EVERYBODY'S FAVORITE I. D. (Salem) A large, deep, bloom of attractive light rose pink with a trace of lavender. This 1939 introduction had a fine show record during the past season.

Root \$10.00, Plant \$3.50

FANNY SANDT S. C. (Sandt) Medium sized blooms of orchid-pink. Stems are long and graceful. Tall plants.

Root .75

FARNCOTT In. C. An old-timer, which is still one of the best in the bi-color cactus types. The color is a deep purple, with the outer one third of the petals tipped pure white. Like many bi-colors, this variety will produce some flowers of solid color, and as such, can win in the purple cactus classes. **Root .75**

***FIGARO** S. C. Reputed to be a seedling of Satan, with many of the characteristics of the parent. The color, however, is entirely different, being golden-yellow, flecked and streaked red. A sure winner in its class. **Plant \$1.50**

FIREBALL F. D. (Bissell) A brilliant scarlet that demands instant attention. The flowers are of good form and fairly large size. Plants are vigorous with heavy, dark green foliage. **Root \$1.00, Plant .50**

FOREST FIRE I. D. (Dahliadel) A dahlia for those who grow them for the rich beauty of color. The flowers are a lemon yellow at the base and rich scarlet towards the outer half. **Root .50**

FRANK SERPA I. D. (Serpa) Very large with a dainty coloring which is uncommon in so large a flower. Delicate pink with lavender suffusions throughout. **Root \$1.00, Plant .50**

***FRANZ BERGER** S. C. This fine dahlia from abroad comes close to being an ideal dahlia in every respect. Long, strong, stems hold the coral red flowers facing up. A very good keeper. **Root .75**

***FRAU O. BRACHT** S. C. This dahlia should be in every garden. We consider it one of the finest on the market. The perfectly formed flowers are a clear, light, primrose yellow of good size. A fine dahlia for the exhibitor or casual grower. **Root .75, Plant .50**

***FRAU IDA MANSFIELD** St. C. A very attractive pale lemon yellow that is always a favorite in our gardens. The flower is very deep and large for this type. The tips of the petals are cleft giving the flower added character and the appearance of having many more petals than there actually are. Early. Tall. **Root \$1.00, Plant .50**



A VIEW OF A CORNER OF OUR SHOW GARDEN TAKEN AT OUR FORMER HOME IN NORTH OLMSTED. WE ARE CONTINUING THIS POLICY OF MAINTAINING A PLOT IN WHICH ARE PLANTED SEVERAL PLANTS OF EACH VARIETY WE GROW, SO THAT VISITORS MAY QUICKLY INSPECT OUR LINES:—THE BEST FROM ALL PARTS OF THE WORLD. IN THIS GARDEN ALL VARIETIES ARE CLEARLY LABELED, STAKED, PRUNED AND DISBUDDED, IN THE MANNER OF A HOME GARDEN.

GEORGE WASHINGTON I. D. (Shurtleff) Deep rose pink, with some petals lightly tipped silver, and a slight silver suffusion throughout. The flowers are large, stems fine, and bush growth vigorous.

Root .75

GLAMOUR I. D. (Salem) A notable addition to the really large dahlias. Everything about the plant and flower suggests size and strength. The very large flowers are an unusual shade of light purple, with each petal edged amaranth pink. Lighter suffusions throughout the petals. In addition to large diameter, the blooms have uncommon depth. Stems are strong. Tall plants, of extreme vigor.

Root \$10.00, Plant \$3.50

GOLDEN BEAUTY I. D. (Silvernale) A very large, well-formed flower of apricot yellow splashed jasper pink, giving a general pinkish yellow tone. Long strong stems hold the heavy flower on the side. This variety will no doubt be a popular addition to many of the best gardens.

Root \$2.00, Plant .75

GOLDEN STANDARD St. C.-In. C. (Downs) A large, fine exhibition cactus of golden tan with bronze shadings. Excellent stems.

Root .75

GOLDEN SWEEPSTAKES I. D. (Lee) A very pleasing, free blooming, golden buff tinted apricot at the center. A tall grower. Flowers are held well above the bushes on good stems.

Root .50

GRAND MASTER I. D.-F. D. (Caldwell) A really large, massive bloom of deep bronze, shading to orange at the center. We consider this one of the very best of the 1938 introductions. Low spreading bushes with unusually heavy dark green foliage. No dahlia in our experience has produced so many monster blooms per plant and it was the first dahlia to bloom in our gardens the past season.

Root \$2.00, Plant .75

GREATER GLORY In. C.-S. C. (Salem) A very large cactus of rose pink, shading lighter. Excellent formation and a consistent winner at strong shows. Tall grower. Under some conditions this one may be more semi-cactus.

Root \$3.00, Plant \$1.00

***HASLEROVA** F. D. A striking dahlia of good size and habits. The color is a very pale lavender, almost white, with reddish-purple streaks and pencilings. A consistent winner in its class, a class which has too few good ones.

Root \$1.50, Plant .50

***HELENE MOZZAT** St. C. A French novelty which is particularly desirable for its delicate coloring and beauty. The color is clear lavender. Blooms are very artistically formed, and each petal is deeply serrated at the tips.

Root .75



GREATER GLORY

HILLSIDE GOLD St. C. (Bissell) A free flowering cactus of fair size, that made an enviable record in its first season. The color is a rich golden yellow, with an apricot glow.

Root \$3.00, Plant \$1.00



SHOWING PART OF OUR DAHLIA FIELDS JUST COMING INTO BLOOM DURING
THE FALL OF 1936.

HILLSIDE SUNSET I. D. (Bissell) Very large, deep golden yellow flowers on excellent stems. Tall plants, with good foliage. This one has several "largest bloom in the show" awards to its credit. Early in the season each petal is distinctly lined, or edged, red.

Root \$7.50, Plant \$2.50

HONOR BRIGHT F. D. (Peck) A good commercial type dahlia of consistently fine form. Amber, with rose-coral shadings.

Root .50

***HOSIANNA S. C.** One of the most delicately beautiful dahlias in our gardens. Medium sized flowers of rose pink with cream centers. Flowers are set on top of the long stems.

Root .75

HUNT'S VELVET WONDER I. D. (Hunt) One of the big ones. The deep flowers have long broad petals and are of dark, rosy magenta, shading to true purple. A strong grower.

Root \$1.00, Plant .50

***JEAN TRIMBEE S. C.** A Canadian introduction of several years ago, which yearly, piles up one of the finest show records of any dahlia. Large flowers of a rich petunia-violet shade. One of the first dahlias to bloom in the garden. Tall grower.

Root .50

JERSEY'S DAINTY S. C. (Waite) A medium sized "white" which is much in evidence at shows and in the gardens. A good keeper when cut.

Root .50

JERSEY'S WHITE BEAUTY F. D. (Waite) Primarily a cut-flower dahlia of clear white. Somewhat similar to the widely grown Jersey's Beauty in flower formation, but the plants are more ornamental than those of the latter. Free flowering.

Root .75

***JULIUS C. BUNGE S. C.** A new one from Holland that has a very attractive color and formation to recommend it. The very prim flowers are carried well above the low bushes on fine stems. The color is bright clear rose.

Root \$3.00, Plant \$1.00

***KARDINAL VON RUSSEM S. C.** A large, deep flower of dark violet purple. A very consistent winner at leading shows. Low, spreading habits of growth.

Root \$1.50, Plant .50

KATIE K. I. D. (Lakeside) A large pink with lilac suffusions which performed well during its first season. This one has good exhibition qualities, as shown by its numerous prizes during the season.

Plant \$1.00

KAY FRANCIS S. C. (Eastman) A fairly large, semi-cactus, of soft lemon yellow. It produces a great abundance of blooms early in the season.

Root .50

KEMP'S VIOLET WONDER I. D. (Kemp) With us, this is one of the best in its color. A tall grower, with large pansy purple flowers, carried on fine stems.

Root .50

KENTUCKY SPORTSMAN I. D. (White) An unusual color combination, which can be classed as a tri-color. Lemon yellow at the center, outer petals are golden amber tipped white, and an old rose reverse. Flowers are large and of exhibition quality.

Plant \$1.00

KENTUCKY SUN F. D. to I. D. (White) Deserving of greater popularity. A big, clear, attractive yellow that will win consistently when it can be shown as a formal. This one has often been mistaken for California Idol in our displays. It is deeper in color than "Idol" and a taller grower. We recommend it highly.

Root .75

***KIMIKAGE In. C.** Japan furnished this striking oddity for our gardens. A flower of fine quality, lemon yellow in color, and a formation which is very distinctive. Each petal turns sharply to the side, about two thirds of its length, from the center, giving a pin-wheel effect. Petals are tightly rolled the entire length.

Plant \$1.00

***KISMETH S. C.** Deep blood red flowers of medium size. Open, wide spreading habits of growth. Strong stems holding the flowers usually facing up.

Root .50

***LAETARE S. C.** Highly regarded as a cut-flower sort and for basket arrangements, but can also win in specimen bloom classes. The color is a blend of bright orange-red, heavily tipped and suffused gold. Medium sized flowers on long, fine stems.

Root .75

***LEIDENS ELEGANCE St. C.** A very free blooming variety. Flowers are of excellent substance, keeping well on the bush or when cut. Bushes are tall. Stems excellent.

Root \$1.00, Plant .50

LE JOY I. D. (Lee) Well formed flowers of fair size. The color is deep bluish-purple, with occasional petals tipped white. Early and continuous flowering habits.

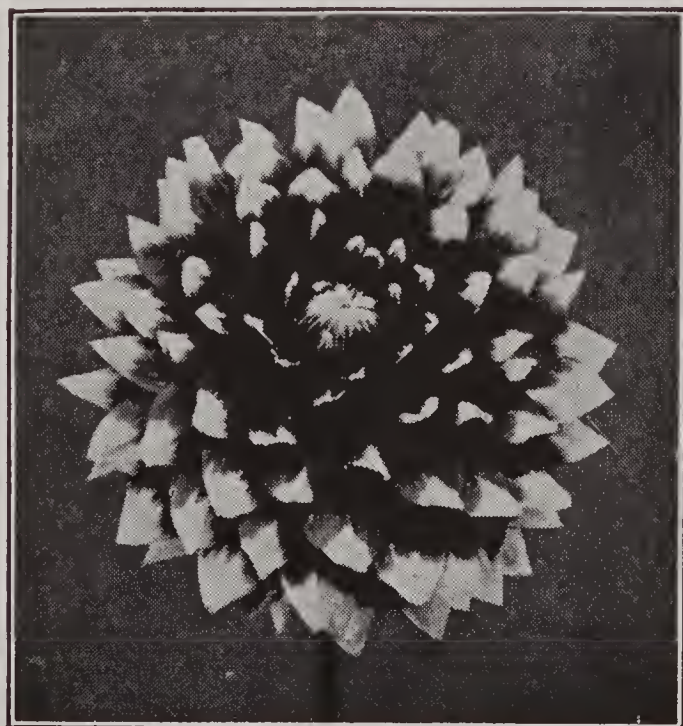
Root .75

LELAND STANFORD I. D. (Ballay) Large cardinal red flowers, profusely borne throughout the season. Strong spreading bushes, with dark green, insect resistant foliage.

Root \$1.50, Plant .50

LOIS WALCHER F. D. (Walcher) This sensational winner as a seedling, continued its fine record during the past season. We regard this as the finest true bi-color on the market. Flowers are of medium size, true pansy purple, evenly tipped a clear white. We recommend this one be given good cultural methods for best results. Plants are low to medium in height, with dark green foliage. Stems are long and unbending.

Root \$3.00, Plant \$1.00



LOIS WALCHER

LORD OF AUTMUN I. D. (Almy) One of the greatest of the great. This big, artistically formed beauty is one of the greatest winners at all shows. It has many "largest bloom in the show" awards. The clear yellow flowers have exceptional depth. Although it is regarded as a bit temperamental in its growing habits, we believe that everyone interested in the largest ones should try it. Our stock has produced many winners.

Root \$1.00, Plant .50

LOUISE BATES S. C. (Cordes) A spectacular dahlia of large size. Early and prolific bloomer. Mallow pink with phlox purple centers.

Root .75

***MADAME GEO. PEZZANT** In. C. One of the most "true to type" dahlias in our gardens. Large flowers of great depth on perfect stems. The color is a deep, blood red. Blooms should be shaded for exhibition as they have a tendency to fade somewhat in bright sunshine.

Root \$1.50, Plant .50

***MADAME FLORENT BREAM** In. C. to S. C. A fair sized flower of brightest rose, with a distinct yellow center.

Root .50

MAN O' WAR I. D. (Ruschmohr) One of the most satisfactory of our "reds." It blooms early and continues throughout the season. Flowers are large, on good stems carried well out of the rather tall bushes. The color is a rich, dark carmine.

Root .75, Plant .50



MARGRACE

MARGRACE I. D. (Bissell) A really striking variety of brilliant scarlet, tipped gold, and with gold at the base of the petals. Large flowers, long stems and tall bushes, of open growth. A consistent winner. We recommend it.

Root \$1.00, Plant .50

***MASCOTTE** In C. One of our favorites from Holland. Deep rose tinted cerise, lighter toward the tips. The formation is very uniform. Petals are well rolled for their entire length. Tall plants hold the medium sized flowers well above the foliage.

Root \$1.50, Plant .50

MASON'S PURPLE BEAUTY I. D. (Mason) One of the best velvety purple dahlias. The distinctly silvery reverse shows on the face of the flower and at the center.

Plant .75

MAYOR FRANK OTIS I. D. (Salbach) One of the largest dahlias grown. Our own plants were planted so late that we had limited opportunity to get complete records. The plants are tall, with attractive glossy foliage. Stems are long and strong. We saw some excellent blooms of this at the shows, which held their own in large bloom competition. The color is a soft, rich, golden honey yellow, with just a touch of bronze shading. Substance of the blooms is excellent.

Root \$15.00, Plant \$5.00

MICHIGAN WHITE S. C. (Keiser) One of the very best of the white cut-flower dahlias. The well formed flowers seem to "pop" out over night on long, strong stems. Substance of the flower is excellent, the flower keeping well when cut. Blooms are of medium size.

Plant \$1.00

- MIDWEST** In. C. (Robens) A large, loosely formed cactus, with a fine show record. Violet purple in color, it has little competition on the show tables.
Root \$1.50, Plant .50
- MILTON J. CROSS** I. D. (Johnson) Another really big one that has been a stand-out in our gardens. Tall bushes holding the large, massive, blooms high above the foliage on long, slender stems. The color is a clear gold at the center shading to a peach apricot at the outer third of the petals. Recommended highly.
Root \$1.00, Plant .50
- *MISS BELGIUM** St. C. A flower in the lower sizes that is nearly perfect in formation. Free bloomer and fine keeper.
Root .75
- MISS ELSIE JANE** S. C. (Dahliadel) A real gem for beauty. Not large, but very deep in proportion to the diameter, and with a wonderful formation. The color is most attractive, shrimp pink with cream shadings at the center and tipped violet rose. Fine long stems. Excellent keeper. A vase of five or six of these would be a delight in any sick room.
Root .50
- MISS GLORY** S. C. (Balley) A fine, deep yellow exhibition semi-cactus with a fine record as a winner. Large blooms on good stems.
Root \$1.00, Plant .50
- MISS OAKLAND** F. D. (Hook) A very fine white in the formal class. Blooms profusely. Good stems holding the medium-sized flowers facing the side.
Root \$1.00, Plant .50
- MISS OHIO** In. C. (Parenica) Excellent for exhibition or cutting. The flowers are of artistic formation. Stems long. The color is a lively lilac rose in the early season. Later in the season it is a one-tone rose color.
Root \$1.50, Plant .75
- MONARCH OF THE EAST** I. D. (Almy) A naturally big one, attaining a diameter of twelve to fourteen inches without forcing. It is one of the most vigorous growers we have ever had. The large flowers are a warm gold with apricot and orange buff suffusions with a slight coppery red on the reverse.
Root \$2.50, Plant .75
- *MOTHER'S DAY** I. D. A very large white from Australia. Blooms have great depth, and excellent formation. Considered by some to be the best of an imposing list of good exhibition "whites." It was particularly outstanding at New York and Cleveland during the last show season. The plants are tall and vigorous.
Plant \$5.00
- MRS. C. E. WILDON** F. D. (Dixie) A fairly large formal decorative with good depth. The color is scarlet red with orange buff reverse.
Root \$1.00, Plant .50
- *MRS. C. J. SOWTON** I. D. Australia sends us this big beauty. The blooms of great depth are a pinkish cinnamon color. Petals are slightly ruffled adding greatly to the beauty. Plants are low growing and have excellent foliage. Stems are ideal, carrying the flowers facing up.
Plant \$1.00
- MRS. GEORGE LE BOUTILLIER** I. D. (Smith) A large carmine red with darker shadings throughout the flower. This is one of the best garden "reds" and it also does well on the show table.
Root .50
- MRS. HERBERT O'CONNOR** In. C. (Dahliadel) A highly pleasing cactus of good size. Rose pink, shading to deep, rose pink. A tall grower. Very free bloomer.
Root \$1.00, Plant .50
- MRS. WM. KNUDSEN** I. D. (Dixie) One of the finest growing white dahlias it has been our experience to grow. Tall, vigorous bushes. Flowers are large and massive on excellent stems.
Root \$2.00, Plant .75

MURPHY'S MASTERPIECE I. D. (Reed) This has been one of the most popular of the large "reds." For a number of years it has been the leading winner in the red classes. The large flowers are very deep. Plants are tall growers.

Root \$1.00, Plant .50

MY DELIGHT F. D. (Salem) Not so large, but one of our favorites. Not the least bit temperamental and each bloom is a picture. The color combination is uncommon and very beautiful. Pinkish mauve-lavender on the outer three fourths of the petals. The centers are white blending into the outer colors. Petals roll back to the stem to form a ball shaped flower. Long, strong stems.

Root \$5.00, Plant \$1.50

***NAGEL'S GIANT** I. D. A good sized, salmon pink from Belgium. Flowers have exceptional depth, and the petal arrangement is distinctive. A very free flowering dahlia. Tall plants, with attractive foliage.

Root \$3.00, Plant \$1.00

***NANCY GENE** I. D. This one from Australia is a welcome addition to the large flowered "yellows." The color is a one-tone deep yellow with a slight greenish cast. Plants are very free-branching. For exhibition purposes, some disbranching should be practiced.

Root \$3.00, Plant \$1.00

OAKLEIGH MONARCH F. D. (Hook) A big, dark red formal decorative, which has been one of our most consistent performers. Plants are very vigorous, stems are excellent, and a great number of flowers are produced throughout a long season. We consider it, by far, the best in its class.

Root \$1.00, Plant .50

ONE GRAND S. C. (Stephenson) A large, deep yellow semi-cactus produced on a tall, strong plant.

Root \$2.00, Plant .75

OPAL I. D. (Dahliadel) Artistic beauty, best describes this large pastel shaded flower. Soft salmon-rose with lighter shadings, and centers of light lemon yellow. Strong, erect stems hold the blooms well above the dark, glossy foliage.

Plant .50

PALO ALTO S. C. (Ballay) a real top-notch. Large flowers of soft apricot buff, carried high above the strong growing bushes.

Root .50

***PETUNIA** In. C. A very fine lavender of good size and attractive formation. Its value as an exhibition variety has been established.

Root \$1.00, Plant .50

PIONEER CITY BONFIRE I. D. (Buell) This is one which we like to recommend. Large size. Free and early bloomer. Attractive plants always covered with flowers. The color is different and hard to describe but in general it is a reddish tan, the like of which we have found in no other dahlia.

Root \$1.00, Plant .50

***POSIE MORAVY** I. D. A very delicately colored flower of fair size. White with pink and orchid tints. The edges of the petals are slightly ruffled giving the flower unusual character. Excellent for cutting.

Root .50

***PRACHTKERL** S. C. A large, clear primrose yellow. Tall grower, Profuse flowering habits.

Plant, .50

PREMIER'S MAJESTIC I. D. (Swezey) Large deep flowers on cane-like stems. Beautiful color combination of salmon, gold and mulberry.

Root \$2.00, Plant .75

PRESIDENT ROOSEVELT I. D. (Andrews) Massive flowers of striking carmine red with yellow reverse. Tall, strong growing bushes.

Root .50

PRIMROSE S. C. (Bissell) An attractively formed flower of fair size. The color is straw yellow, with rose pink reverse. A wonderful keeper when cut. Stems are long. A fine variety for basket work.

Root \$3.00, Plant \$1.00

PURPLE MIST F. D. (Emmons) A large, well formed purple which starts blooming early and freely. A good exhibition variety.

Plant .50

QUEEN CITY F. D. (Peck) A very striking commercial type. Produces an abundance of fine, medium-sized flowers. Petals fold back to the stem forming a ball-shaped flower of cherry rose, shaded lighter toward the tips of the petals.

Root .75

RED JUG In. C. to S. C. (Preas) Brilliant crimson carmine of fair size. A popular garden and exhibition variety.

Root \$1.00, Plant .50

***REILE** S. C. Free blooming, vigorous and sturdy. Blooms of rare beauty. A basket of these will "stop the show." The color is a bright salmon with cream centers.

Root \$1.00, Plant .50

***RENATE MULLER** In. C. A very fine exhibition and commercial cactus of good size. Light salmon rose with pale yellow centers. Outsold all varieties in our gardens last fall. A low bowl of twenty-five blooms of this variety was the center motif of our blue ribbon display at the Cleveland show, 1938.

Root .75

ROBERT RIPLEY I. D. (Salem) Grown right, this is one of the largest dahlias in existence. It has unusual depth. Strong cane-like stems hold the flowers facing up. During the past season it showed evidence of "temperament." The color is a deep, rosy mauve.

Root \$3.00, Plant \$1.00

RITA WELLS I. D. (Ruschmohr) Without question, this one produced our largest blooms last season. Great depth give the blooms a massiveness which never failed to stop visitors. Blooms are held nicely erect on long strong stems. Plants are in keeping with flowers of such huge proportions. The color is grenadine pink on buff gold. We believe this one will have a great future.

Root \$10.00, Plant \$3.50

ROCKLEY MOON F. D. (Rockley) A very pleasing variety in the garden. The tall bushes produce many fine flowers of large size. The color is bright yellow with tints of bronze toward the centers.

Root .50



ROBERT RIPLEY

***ROYAL BLACK** S. C. Large flowers of a deep velvety maroon.

Plant .50

ROYAL PURCHASE In. C. (Salem) One of the largest of this type. Early and profuse bloomer. Yellow with outer petals suffused pink.

Root 1.00, Plant .50

RUDY VALLEE S. C. (Broomall) Large spectacular blooms of reddish apricot with gold centers.

Root .50

***R. W. TREASDER** F. D. A very large flower of reddish amber, on long strong stems. A tall, vigorous grower.

Root .75

***SAARLAND'S HEIMKEHR** St. C. An attractive free-blooming cactus of lively rose pink shading to yellow at the centers.

Root .75

SARACEN F. D. (Peck) A fine dahlia that has been overlooked by many. Blooms are large and have great depth, the petals folding back to the stem. Stems are ideal in every respect. The color is a medium shade of purple.

Root \$2.50, Plant .75

SATAN S. C. (Ballay) One of the really popular dahlias of recent years. A very large semi-cactus that has won many "largest bloom" prizes. The color is scarlet with a touch of gold.

Root .50

***SCARLET LEADER I. D.** One of the most brightly colored dahlias in the garden. Vivid scarlet blooms on excellent stems. A fine cut flower.

Plant \$1.50

SCARLET JERSEY'S BEAUTY F. D. (Wolfe) A medium sized flower of brilliant scarlet, with many of the good points of its namesake.

Root .75

***SEVERIN'S TRIUMPH F. D.** Clear, bright, true pink of modest size. Its fine form makes it desirable for exhibition, and it is also a fine cut-flower variety.

Root .50

***SHIRLEY TEMPLE St. C.** A Canadian introduction of good size. The color is a light lavender with sulphur yellow at the base of the petals. The low growing plants produce many fine exhibition blooms.

Root \$2.00, Plant .75

SLEEPY HOLLOW In. C. (Morgan) A broad petaled cactus which is different. The color is a vivid shell pink shading to white at the center. This is an exceptionally fine exhibition variety. Won more points in the HOUSE BEAUTIFUL magazine futurity classes at leading shows than any other 1938 introduction.

Root \$3.00, Plant \$1.00



SON OF SATAN

SON OF SATAN In. C. (Slocum) One of the largest and brightest of its type. Intense flame red on excellent stems. Blooms up to twelve inches in diameter. Tall, open bush growth. A sensation in any garden and a winner in any show.

Root \$1.50, Plant .50

STRAIGHT'S WHITE I. D. (Ruschmohr) A large, well-formed flower of pure, glistening white. The long narrow petals roll and twist in a most artistic manner. Bushes are exceptionally vigorous for a variety of this color.

Root \$3.00, Plant \$1.00

SUNRAYS I. D. (Ruschmohr) This large, 1938 introduction represents just about the maximum in size for dahlias to date. In our gardens it produced blooms larger than such well-known giants as

California Idol, Lord of Autumn, Amelia Earhart, Satan, American Legion, etc. Stems are exceptionally long and strong. A fine keeper when cut. It is a very welcome addition to the exhibition class. Buff with apricot suffusion.

Root \$5.00, Plant \$1.50

***THE BISHOP S. C.** Somewhat similar to Frau O. Bracht in form. The color, however, is a clear lavender.

Plant \$1.00

***TANNENBERG F. D.** A medium sized flower of deep, blood red with tips of gold, and gold at the center. A popular novelty for the garden.

Root .50

THE GATEWAY F. D. (Burkhart) Medium sized flowers of orange-yellow, suffused rose red. Petals are outlined rose red and the reverse of the petals are the same color.
Plant .50

THOMAS A. EDISON F. D. (Dahliadel) This is still just about the very best in its class. The color is a lively royal purple. Flowers are fairly large.
Root .50

TOM MANNING I. D. (Wind) A strong-growing, wide-spreading bush which does well under all conditions. Center of the flower is old rose, outer three-fourths of the petals are ochraceous salmon blending to buff. Blooms are large. Stems good.
Root .75

TOM WORKMAN I. D. (Burkhart) An unusual colored two-toned flower of large size. Center petals are partly quilled giving the flower added distinction. Stems excellent.
Root \$2.00, Plant .75

***TYRUS** St. C. Medium-sized flowers of good form. The color is a rich magenta rose.
Plant .75

***VIOLA** St. C. Rosy lilac at the tips. Petals long, straight and tightly rolled. A fine type.
Root .75

VIRGINIA RUTE I. D. (Siebrecht) A large, deep red flower, with broad petals rolled to a point at the tips. Very neat in appearance, we feel that it will become a factor on the show tables. It has all the requisites of a winner.
Root \$7.50, Plant \$2.50

VOLCANO F. D. to I. D. (Richardson) A very large, well-formed flower of great depth. This was a standout in our gardens from early in the season until frost. The color is orange-flame red. The plant is a very strong grower with heavy, leathery foliage, which is insect resistant.
Root \$2.00, Plant .75

***WEISSER DAME** S. C. From Germany, comes this free blooming white of medium size. Fine stems and good keeping qualities.
Plant .75

***WHITE ABUNDANCE** I. D. The name aptly describes this fine cut flower variety. Very tall grower. Petals have great substance and do not bruise as readily as most white dahlias. Our florists consider it superior to other whites.
Root .50

WINSOME I. D. (Swezey) This dahlia was one of the most pleasing in our gardens. Flowers are large. A very early bloomer, which produces a great number of flowers during the season. The color is a light, luminous pink. No dahlia in recent years has induced so many of our garden visitors to invest their first "big" money in a dahlia.
Root \$7.50, Plant \$2.50



**VOLCANO IN OUR GARDENS
VIEWED BY OUR SON "BOB."**

YOUR LUCKY STAR S. C. (American) Very large, well formed flowers of unusual beauty. The centers are white, and the outer one half a distinct, clear lavender. Flowers are held well above the strong growing bush, on excellent stems. It has a show record in addition to its desirability as a garden sort.

Root \$5.00, Plant \$1.50

ZEPHYR St. C. (Wind) Our 1940 introduction described at the beginning of this list.

Root \$7.50, Plant \$2.50

THE BARGAIN COUNTER
25 cents each, any twelve for \$2.50

- ARELDA LLOYD I. D. A yellow Jane Cowl.
- CLARA CARDER I. D. Cyclamen pink.
- JAMES KIRBY I. D. Intense cardinal red.
- JANE COWL I. D. Buff, gold and salmon.
- JERSEY'S BEAUTY F. D. Eosine pink.
- JERSEY'S MELODY. S. C. Tyrian rose tipped silver.
- JOSEPHINE G. S. C. Rose pink.
- KARL BONAWITZ S. C. Velvety carmine.
- OLYMPIC SUNSET. S. C. Coral, orange and yellow.
- ORANGE LADY F. D. Orange.
- R. A. BROOMFIELD F. D. Saffron orange.
- ROBERT EMMETT I. D. Cardinal red.
- THE DUCHESS I. D. Yellow and white.
- VIN-WELL PRINCESS I. D. Lavender pink.

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COLLECTIONS

- All varieties in collections are strictly our selection.
- POMPOM COLLECTION.** Six different poms, all labeled.....Price \$1.25
- * * * * *
- MINIATURE COLLECTION.** Six varieties, all labeled.....Price \$2.00
- * * * * *
- BEGINNER'S COLLECTION.** Eight different large varieties, all labeled.
Value \$4.00 to \$6.00.....Price \$2.50
- * * * * *
- DE LUXE COLLECTION.** Twelve popular exhibition dahlias, or twelve cactus varieties, each labeled correctly. This is our most popular collection. Thirty-six DE LUXE collections were sold before this catalogue went to press. Value \$7.50 to \$10.00Price \$500
- * * * * *

ESTATES COLLECTIONS. We make up collections for large estates, in any quantity, at a price well below list prices of these same varieties selected from our catalogue. These are made up to fit individual tastes and needs. Prices are a matter of correspondence. In writing for prices be sure to state the size and shape of plot or plots, their relation to other plantings, the general landscape effect desired, and any information that will aid us in making a selection exactly to your needs. List of varieties and quantity of each will be supplied by us with our quotations.



A CORNER OF OUR SHOW GARDEN TAKEN AT OUR FORMER NORTH OLMSTED FARM, DAUGHTER, BETTY JANE, STANDING BEHIND PLANTS OF "FRANK SERPA."

How To Handle Cut Flowers So They Will Keep

The life of dahlia blooms after they are cut may be very much prolonged by a few simple precautions taken at the time of cutting.

First of all, cut only FULLY MATURED blooms. Flowers with a withered petal or two on the back will keep longer, under similar conditions, than young blooms. If desired, the withered petals may be picked, or cut off. Cut a longer stem than will be necessary in the vase or container for which the flowers are wanted.

Cut the flowers early in the morning before they start to wilt, or late in the evening after they have revived from the effects of the sun and winds of the day. Make the cut with a sharp knife so that the microscopic tubes in the stem, which supply water to the flower head, are not crushed.

Flowers should be cut at least eight hours before it is planned to use them. As soon after cutting as possible, the stems should be placed in deep cool water in a cool, draughtless and dark part of the basement, for the period of eight hours or more. When putting the flowers in water in the basement, it is to considerable advantage, to trim off an inch or two of the stem under water. This cuts off the portion of the stem into which air may have entered the microscopic tubes and choked off the supply of water passing up to the flower head. When the supply of water fails, of course the flowers wilt.

After the period of "hardening" or "finishing" in the basement the flowers may be used for their intended purpose. In placing them in their permanent containers it is well to again trim off a small portion of the stem under water. In fact, this should be done each time the stem is out of water for more than a moment. Use only CLEAN water and CLEAN containers; factors which are important but often overlooked. Thereafter change the water once a day and trim off the stems. Set the containers out of direct sunlight and draughts. Follow the foregoing suggestions and you will find the dahlia a long-lasting flower.



SYLVIA

A fine miniature, showing the possibilities for arrangements.

Small Type Dahlias

These small flowered dahlias have become very popular because of their general usefulness. They lend themselves nicely to effects in the landscape gardens. As a flower for arrangements, they are ideal, keeping a long time, and their great diversity of form permits unlimited possibilities in their arrangements.

Abbreviations: P., pom; M. D., miniature decorative; Mig., mignon; M. C., miniature cactus or semi-cactus; B, ball; St., star; S., single; Coll., collarette; Dup., duplex. Prices are for roots, except where noted.

*BABY ROYAL S. C.	Salmon pink shaded apricot at base of the petals.....	\$.50
*BISHOP OF LLANSDAFF	M. Dup. Brilliant scarlet, with dark bronze foliage....	.50
BOB WHITE	P. Best exhibition white pom.....	.50
BRIGHT FLASH S.	A brilliant red. Large exhibition.....	.35
CHARLOTTE CALDWELL	B. Orange. Low grower. Fine for exhibition.....	.75
DEE DEE	P. A fine exhibition lavender.....	.35
*EASTER GREETINGS	M. C. Dwarf, free-flowering white.....	.50
EDITH MUELLER	P. Yellow-orange, edged red.....	.25
EVEREST	St. Very fine, pure white.....	.35
FAIRY	M. D. A dandy miniature Jersey's Beauty.....	.50
GRANYMEDE	P. Long-stemmed faun and pink, for cutting.....	.25
HELEN HOLLIS	B. Cardinal red.....	.50
HONEY	P. Fine exhibition pom. Pale yellow lightly tipped red.....	.35
JANE HOBBY	M. D. A small, showy, bright scarlet.....	.50
JEAN KERR	M. D. A white Jersey's Beauty.....	.35
JERSEY'S BEACON BALL	M. D. A fine deep flower of orange scarlet.....	.50
LITTLE DAVID	P. A fine reddish orange exhibition pom.....	.35
*LITTLE DREAM	M. C. Rose pink with white centers.....	.75
LITTLE FIREBALL	M. D. Brilliant scarlet ball-shaped flower.....	.50
LITTLE EDITH	P. Very small exhibition variety of yellow tipped carmine.....	.35
LITTLE OTHELLO	S. Very dark maroon with bronze foliage.....	.75
*LITTLE SUNBEAM	M. C. Orange with salmon and yellow centers.....	.75
LOLETTE	M. D. Excellent cut flower of pure Tyrian pink.....	.50
*MARIA	M. D. An improved Easter Greetings.....	.75
*MARKET GLORY	M. C. Beautiful lilac pink with long stems.....	.75
*MARKET JEWELL	M. D. A striking dark velvety red. Long stems.....	.75
MARY HELEN	B. Finest exhibition ball dahlia. Yellow.....	.50
MIKE	P. A fine exhibition pom of burnt orange. Small.....	.35
ORCHID BALL	B. Perfectly formed, large lavender ball. Late.....	.50
ORCHID LADY	M. D. Exceptionally fine-formed orchid pink, with long stems..	.50
PADDY	M. D. Flesh ground suffused deep rose pink.....	.50
RED CAP, JR.	M. C. A fine, long-stemmed red semi-cactus.....	.50
SANHICA'S SWEETHEART	M. D. Ochreous buff suffused rose.....	.50
SATIN WHITE	Coll. An all-white collarette. Long stiff stems.....	.75
SYLVIA	M. D. One of the finest miniatures. Garnet red.....	Plant .50
TANGO CENTURY	S. Orange buff25
YELLOW GEM	P. Best yellow exhibition pom.....	.35

MIDWEST SHOW SEPT. 21st and 22nd Louisville, Ky.

Plan to attend this great show sponsored, this year, by the Kentucky Dahlia Society. No show in the midwest attracts so many well known dahlia personages. All sections of the country will be represented. The best new seedlings from a wide area will be on display, as well as the best of previous introductions. Also, there will be that special brand of Kentucky hospitality.

Look for our commercial display there.

Cultural Hints

Although dahlias may be grown in almost any ordinary garden soil, to produce a beautiful effect in massed color, with but little attention, they respond very readily to a little extra care.

Fine dahlias are the result of a number of factors, most important of which are:

LORD OF AUTUMN IN OUR GARDEN

(1) good vigorous disease-free stock; (2) choice of varieties which naturally produce high quality blooms; (3) location of the garden; (4) proper planting; (5) cultivation; (6) intelligent fertilization and spraying. (7) pruning and dis-budding; and (8) the successful winter storage of the clumps.

Factors (1) and (2) need no comment other than the varieties which we offer in this catalogue are the result of several years of careful selection from the finest novelties placed on the market from all parts of the world. Each year we try many new sorts, then discard those which have no definite place in the better class gardens, and offer only the best to our customers. Our fields are carefully and frequently inspected. All inferior plants and those showing any symptoms of disease are destroyed. Our cultural methods are productive of the very finest quality roots and plants obtainable.

Selection of the location for the garden is usually quite restricted, but fortunately dahlias will do well in any type of soil and in a wide variety of climate. A good site is one that receives several hours of sunlight each day and has good drainage, so that water does not stand on the ground very long after rains. More important than the type of soil or the location of the garden is the condition of the soil at planting time, and during the growing season. We believe that more failures with dahlias are due to the lack of proper conditioning of the soil than to any other single factor. This is especially regrettable since it is a factor which may be easily controlled.

The soil of the garden should be kept loose while the plants are growing, especially in the early part of the season. Light, sandy soils need the least preparation, providing they contain enough humus to hold a sufficient amount of moisture. Humus may be supplied by planting a cover crop of rye in the fall to spade under in the spring, peat moss



mixed into the soil, barnyard manures, and by vegetative refuse such as lawn grass clippings, leaves, etc.

Heavy clay soils may be made lighter by the generous use of furnace ashes or cinders mixed with the soil of the garden, or just in the hills. Lime also tends to loosen the soil but should not be used oftener than every four or five years and never in connection with barnyard manures. A cover crop of rye also aids in the loosening or lightening of the soil. Stirring the soil frequently to a depth of five or six inches helps to maintain the soil in proper condition. It must be remembered that the tender roots of the dahlia will not reach out as readily in search of food, in hard ground, as they will in looser soil. The dahlia is a very heavy "feeder" and needs a large efficient root system. Also, air and water penetrate more easily into loose soil to aid in the chemical transformation of soil elements into plant food.

Spade the garden two or three weeks before planting time. Leave the surface rough until actual setting of the roots or plants. Never try to "fit" the soil when it is so wet that it sticks to the tools. Planting should not be started until the soil has started to warm up in the spring, which in the latitude of northern Ohio is about May 15th to May 20th. Planting may be continued until June 15th or later.

We suggest planting in furrows or trenches about five inches deep running the length of the row. Place the root flat in the bottom of the trench and cover with two or three inches of soil. Fill in the rest of the trench as the plant grows. Rows should be at least three, or preferably, four feet apart. Plants in the row should be thirty-six inches apart when planting large sorts. (Small type dahlias sixteen to twenty-four inches apart.) Stakes to support the plants later may be driven at planting time five or six inches from the eye or sprout. Further instructions for the care and planting of "GREEN PLANTS" are enclosed with each shipment of our plants.

Many failures with "GREEN PLANTS" are due to improper cultural methods at the start of the growing season. Normal growth should be the aim. It is not uncommon for the gardener to employ all methods within his knowledge to get his plants off to a fast start. A fast growth is also a soft growth which is easily injured by the heat and dry weather of mid-summer. Such injuries result in a check to the plant and a resultant hardening of the plant tissues. When the tissues become hard, or woody, they lose their properties to expand, or grow. Thereafter, no greater amounts of plant food can pass up through the stalk than was the case when the hardening took place. Growth practically ceases. When this has occurred, first class results can be obtained only by cutting the plant back to the ground and starting all over. In many cases this will be too late to obtain blooms.

Hardening may also be caused by a number of other factors. In some cases the condition may have been induced by planting too early when the soil is too cold for normal growth. Some other factors which may cause this condition are: setting plants in the garden which have not been properly "hardened off" in cold frames, allowing the plants to dry out, excessive water, lack of cultivation, root injuries due to insects or fertilizers, as well as a number of others not so common. When growth has been normal the plant can cope with conditions which would cause a soft plant to suffer a check.

Cultivate once or twice each week to a depth of five or six inches in the early part of the season. Right next to the plant cultivation should not be as deep or some of the roots are likely to be cut off or injured. When the plants are in bloom and the spaces between the plants are pretty well filled with foliage no further cultivation will be necessary.

Water only in very dry weather. One thorough soaking is far better than several light sprinklings. Frequent watering brings the roots too near the surface where they are quickly injured by heat or draught. More water will be required after the plants start blooming than earlier in the season.

There are a number of elements in the soil which are needed for proper plant growth. Of these elements there are only three which are likely to be present in lesser amounts than needed by the plant. They are NITROGEN, PHOSPHORUS, and POTASH. In order to arrive at an intelligent fertilizer program we must understand the purpose of the above elements to the plant.

NITROGEN is needed for bush growth, dark green foliage, and large flowers. Plants growing in soil which is lacking in nitrogen show a yellowish cast to the leaves, low growth, failure to develop buds properly, and small flowers of poor color. Too much of this element produces a tall growth, soft plants, delays blooming, weakens stems, and reduces the keeping qualities of the roots in winter storage. It will injure leaves and roots if applied directly, or too close, to them. The common sources of nitrogen are cover crops, dried blood, fish scraps, barnyard manures and commercial fertilizers.

PHOSPHORUS is the most important from the dahlia grower's standpoint. It is essential in all plant functions. It hastens blooming, increases root development, stiffens the stems, increases the general vitality of the plant, and it overcomes the harmful effects of excessive nitrogen as well as certain other adverse soil conditions. Phosphorus is not harmful even when applied in excessive quantities. The common sources are: superphosphate, double superphosphate, and bone meal. The latter also contains a small amount of nitrogen.

POTASH increases the general vigor of the plant, it is essential in the chemical changes occurring in the plant, and root formation is dependent upon its presence. The common sources are: muriate of potash, and sulphate of potash. Hardwood ashes are sometimes used as a source of potash but are not to be recommended owing to their variability in potassium (potash) content.

To reduce the foregoing to a simple fertilizer program we suggest spading under an application of bone meal (steamed) at the rate of five or six pounds for each one hundred square feet in the garden. This may be done two or three weeks before planting time. The plant food element in bone meal is very slowly available and one application will last throughout the season. Potash may also be applied at this time at the rate of two or three pounds per one hundred square feet. Since bone meal also contains a small amount of nitrogen (3 to 4%) none will be required at this time. Nitrogen being a quickly available plant food it may be applied later in the season, or just when it will be of the greatest benefit.

For increased size of blooms apply nitrogen just after the buds have formed. In this simple sample program we will use dried blood. Scatter it between the rows at least a foot from the base of the plant at the rate of about two pounds for each one hundred square feet. Cultivate it into the soil and water well. This application may be repeated in three or four weeks, but no more than two applications should be given. Properly fertilized plants are less susceptible to attacks of diseases and insects.

We have found that dusting sulphur (300 mesh) applied to the under side of the leaves with a dusting gun or sprayer is an effective control for a number of insects especially leaf hoppers and red spider. In our gardens we use no other spray material. If insects are taking their toll in your garden have your local seedsman recommend a spray material for your special problem. Many insects are discouraged from attacking a plant

covered with a white dust whether it is a poison or just a harmless substance such as flour. Mildew in the late fall can be absolutely prevented by one application of "dusting sulphur" applied to the under sides of the lower leaves. Use a dust gun of some sort and do the dusting early in the morning when the dew is on the leaves. About September 1st is the time to make this application.

Large specimen blooms are the result of systematic dis-budding and dis-branching. After the buds appear it will be noted that they usually come in clusters of three. The one in the center is generally the strongest. Remove the other two and the effort that the plant would expend in producing flowers from them goes to the terminal bud which is left. The next two or three sets of branches (at each leaf below the terminal bud) may also be removed, further increasing the size of the bloom to be produced. Be sure, however, that at least one set of branches is left to produce the next flowers.

Many varieties have a tendency to grow straight up with but a single stalk. If a bushy plant is desired pinch out the top of the plant when it is about eighteen inches tall. Other varieties may produce too many branches in which case some may be cut out. Plants which have been pinched out may be dis-budded as per instructions above.

After the frost has destroyed the plants in the fall cut the stalk off at the ground. An ordinary saw is fine for this. If possible leave the clump in the ground for a week or ten days before digging. A long tinned fork is best for digging the clumps. Be careful not to break or even strain the necks of the tubers. One person with a fork on each side of the clump to be dug can lift the clump out with less damage. Do not leave the clumps exposed to the sun or wind for more than a few minutes. If the clumps are too moist to store at once dry them off a bit in the shade or basement. Cut the stalk off to within a couple of inches of the crown. This largely helps to prevent stem rot later. Store the clumps in containers well lined with newspaper to keep out the air as much as possible. Keep the containers in a cool frost-proof basement. After the clumps have been stored for three or four weeks examine them for stem rot or other decay. If decay has set in leave them exposed to the air for a day. Splitting the clumps in two will help prevent stem rot. Trim out any decayed parts and dust with sulphur. A little sulphur sprinkled over the clumps when they are put in the containers will prove beneficial. If the clumps show signs of shrivelling moisten them with a little water and add more covering.

The clumps may be divided at any time but it is best to wait until the eyes or sprouts show distinctly. Never plant the entire clump. For best results divide it so that there is but one sprout to each division. Usually good clumps will average four or more divisions.

We will be glad to answer any further questions regarding these or any other phases of dahlia culture. OUR SERVICE DOES NOT END WITH THE SALE.

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Pointers For Exhibitors

Success as an exhibitor consists of a great deal more than the ability to grow fine specimen blooms. Experience is very important. Don't be discouraged at a few failures. Learn from the failures, while gaining experience.

Start your preparations early. It requires about four weeks, from the time the buds first show until they are fully open. Go over your garden and select buds which should be ready for the show. Disbud more than usual, also taking out some of the branches. Don't spend your time on buds from anything but the strongest plants.

When buds start to show color, shade them from the sun and give them protection from the other elements.

The day before the show, examine all the blooms and select the ones which will be just right at cutting time. It will save time later, if you label the ones selected.

Plan to cut the blooms at least twelve hours before time to set up at the show. Follow the suggestions on page twenty-three for "finishing" the blooms.

Many fine blooms are ruined enroute to the show. Use extreme care and patience in packing. Large, deep cardboard boxes are very satisfactory, if a layer of shredded newspaper, or other soft material is placed on the bottom.

When packing, place the blooms with the longest stems in the box first, with the flower heads at the end, and stems toward the center. Several rows may be placed in each end of the box but do not allow the blooms to overlap, or the stems to rub the flowers at the other end of the box. See that none of the petals at the back of the flower are folded, as such petals will show bruises shortly after unpacking.

If blooms are to be shipped, or transported long distances, it will be necessary to sew the stems to the bottom of the boxes with string. Pre-cooling will be a great help to successful transit.

See that the cover of the box does not rub the face of the flowers.

As soon as the show is reached, unpack and trim an inch or more off each stem and place in deep water for an hour or more to revive the flowers. During this time, entry cards may be made out and other details taken care of.

Don't allow yourself to become excited. Clear thinking is important.

Be sure you know the rules of the show and what the classes you are entering call for. Many fine exhibits are disqualified because the schedule hasn't been followed.

Are your blooms true to type, and are they properly classified as to size and color? If you are not sure, consult the show superintendent.

Select vases in proportion to the size of the flower and length of stem. Good flowers poorly shown often fail to gain favorable recognition from the judges.

Large specimens should have stems which hold the blooms well above the edge of the container. Many show schedules now specify a minimum length for stems. Stems should be straight, and strong enough to hold the flower so that it faces at right angles to the stem, or so that it faces up to some degree. Flowers that "hang their heads" receive little consideration from the judges.

Flowers with "open centers" or "green centers" have no chance in good shows. Centers should be full, round, and the petals around the center should have a fairly uniform development.

It is best to have blooms with a fairly round contour. Many "lopsided" blooms may look well at first glance, but they will not survive the critical inspection of the judges. The most common instances of "lopsidedness" are found in flowers which have a majority of the petals below the center. This is usually caused by the weight of the petals pulling them down during periods when the flower is slightly wilted. This fault, as well as other disarrangements of petals, can be remedied to some extent, by carefully working them back into proper position by hand.

Withered, wilted or bruised petals on the back of the flower will score against your entry. Blooms from which such petals have been plucked, will be scored as though the bad petals are still present.

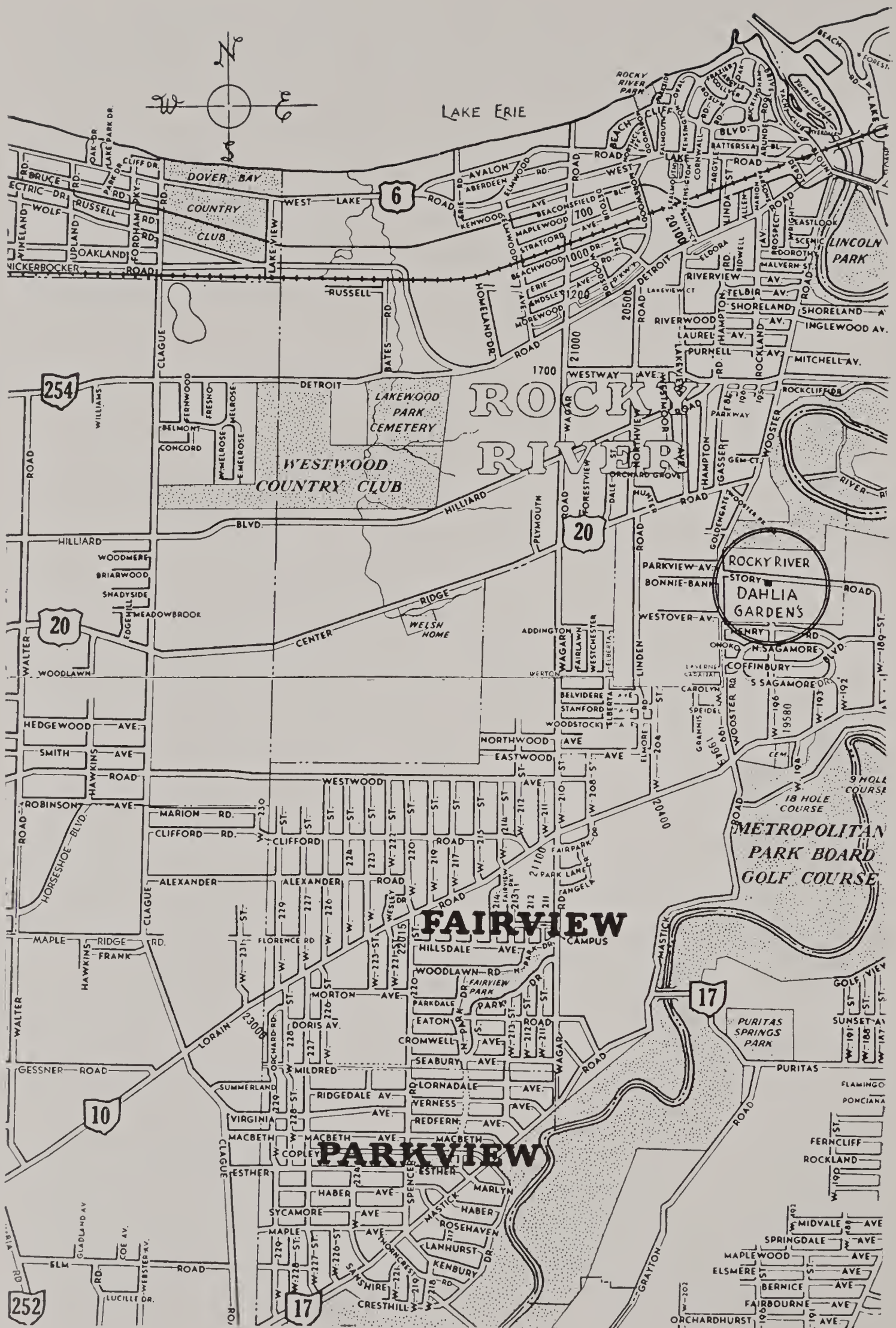
Many exhibitors overlook the importance of good foliage. Leaves showing insect injury, disease or mechanical damage are taken into account by judges. No foliage is worse than bad foliage.

Size alone won't win. In selecting blooms for entry, first select for perfection and second, for size. You will find that all-around perfection is quite closely tied up with suitable size.

Remember judges are judges because of years of experience as growers, exhibitors and students of dahlia perfection. They know the importance of factors which seem trivial to others. Don't criticize them. They make a great many decisions in a very short time, and as a whole, have a very small percentage of error.

If properly approached, most judges will gladly point out the flaws in your entry, but do not approach him until he has finished judging.

Be a good sport, win or lose. "Laugh and the world laughs with you—cry and you cry alone."



USE OTHER SIDE FOR CORRESPONDENCE AND INSTRUCTIONS

